



Operations Notes

FOS Team @ ESAC

Reported by:

J. Fauste/J.M. Castro Cerón

Topic:

Date:

Issue:

FOS Report for week 04, year 2017

from 23 JAN 2017 to 30 JAN 2017

1.0

1 General Comments

Activities scheduled for this week are those planned for the 04th calendar week of 2017:

23 JAN 2017 to 30 JAN 2017 (DOYs 023 to 030).

The following routine activities were planned this week (see Gantt chart on next page and CRF 635):

- One PMS Offset on 26 JAN 2017 (DoY 026), including three Short Calibrations at 07:03:00,0z, 07:03:34,8z, and 07:04:09,6z (orbit 38019).
- Local Oscillator Calibrations every 10 minutes.
- X band Passes over ESAC and Svalbard.

2 Mission Planning Deviations

None.



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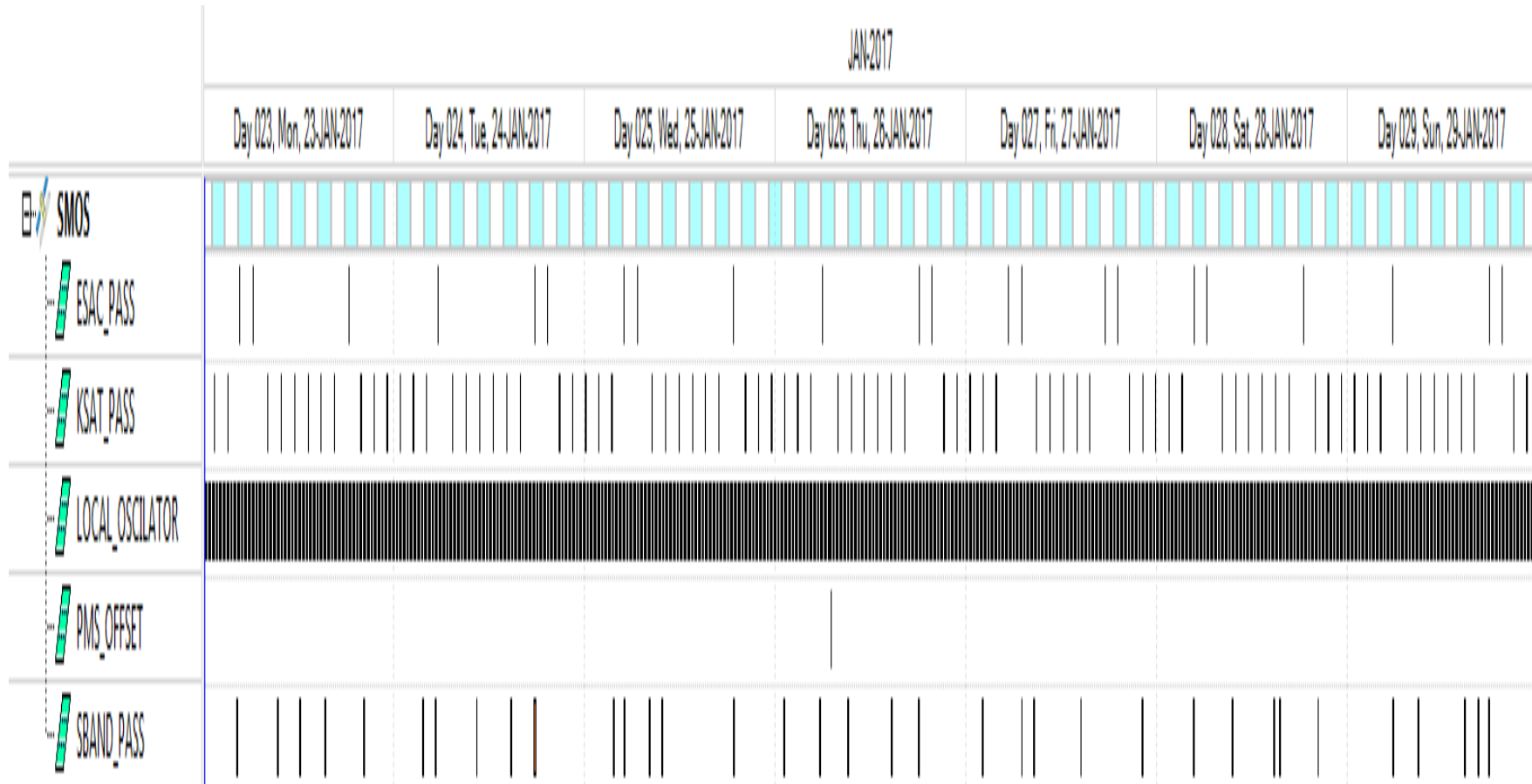
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3 TC Failures

None.

4 Unforeseen Out of Limits (OOLs)

The only relevant OOLs issued this week by the FOS PLPC system were the ones related to the Mass Memory Latch-up that took place on the 24th of January (Further details can be found in section 5 and Appendix-A of this document)

5 On Board Anomalies

- The MIRAS instrument MM, partition P5, latched up on 2017-01-24T21:24:50.006z (DOY 024). The following parameters went out of limits in the PLPC system:

<i>2017.024.21.24.50,006z</i>	<i>DMASME07</i>	<i>LU Switch P5</i>
<i>2017.024.21.24.50,006z</i>	<i>DMASME37</i>	<i>SDD LU Detected</i>

This anomaly was geolocated over south of Brazil at the following geographical coordinates

<i>Latitude</i>	<i>= -20.90°</i>
<i>Longitude</i>	<i>= 305.56°</i>

There were no science data losses associated with this anomaly. The recovery took place on 26 JAN 2017, at 16:30:00z (CRF 636). At the time of the anomaly the position of the MM pointers were as follows:

<i>Write = 2865784</i>	<i>(partition P6)</i>
<i>Read = 2782863</i>	<i>(partition P6)</i>

6 On Board Events Telemetry

No RAM single Bit errors were received during this week.

7 FOS Systems Status

All FOS systems nominal.

8 Data Reception from CNES

All S band passes were correctly received from CNES and successfully processed by the FOS PLPC system.

9 X Band Data Reception in PXMF

None, all S band passes successfully received and processed.



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10 Exceptional Activities

None.

11 AOB

None.



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APPENDIX A: OOLs

The following OOLs were issued by PLPC system at the time of the Mass Memory Latch-up on the 24th of January.

GS_TIME	OBTIME	PARAMETER	DESCRIPTION	OOL Value	Check Value
2017.025.04.27.46.062	2017.024.21.24.50.006	DMASME37	SDD LU Detected	TRUE	FALSE
2017.025.04.27.46.062	2017.024.21.24.50.006	DMASME07	LU Switch P5	ON	OFF